

University of Engineering and Management Kolkata

1st Semester Syllabus for Group - A students

SlNo	Paper Code	Paper Name	L	T	P	S	Credits
Theory							
1	BSC101	Physics	4	0	0	0	4
2	BSC103	Mathematics and Statistics- I	3	0	0	0	3
3	ESC101	Basic Electrical Engineering	2	0	0	0	2
4	HSMC101	English Communication and Public Speaking Skills-I	2	0	0	0	2
5	HSMC102	Essential Studies for Professionals - I	2	0	0	0	2
Practical							
1	BSC191	Physics Lab	0	0	2	0	1
2	ESC191	Basic Electrical Engineering Lab	0	0	2	0	1
3	ESC192	Workshop & Manufacturing Practices - I	0	0	2	0	1
4	HSMC191	English Communication and Public Speaking Skills - I Lab	0	0	2	0	1
Sessional							
1	ESC181	Computer Programming and Problem Solving using Python and C - I	1	0	0	3	2
2	HSMC181	Economics, Finance and Entrepreneurship Skills - I	0	0	0	2	1
3	HSMC182	Design Thinking & Innovation- I	0	0	0	1	0.5
4	HSMC182	Skill Development for Professionals – I	0	0	0	2	1
5	MC181	Mandatory Additional Requirements (MAR)					0.5
Total							22

Reduction of subjects : Students will only study Physics theory in 1st semester and chemistry theory in 2nd semester
 Students will only perform Physics lab in 1st semester and chemistry lab in 2nd semester
 Students will only study Electrical theory in 1st semester and Electronics theory in 2nd semester
 Students will only perform Electrical Lab in 1st semester and Electronics Lab in 2nd Semester
 Students will only perform workshop in 1st semester and Engg. Drawing in 2nd semester

University of Engineering and Management Kolkata

1st Semester Syllabus for Group - B students

SINo	Paper Code	Paper Name	L	T	P	S	Credits
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Theory

1	BSC102	Chemistry	4	0	0	0	4
2	BSC102	Mathematics and Statistics- I	3	0	0	0	3
3	ESC102	Basic Electronics Engineering	2	0	0	0	2
4	HSMC101	English Communication and Public Speaking Skills-I	2	0	0	0	2
5	HSMC102	Essential Studies for Professionals - I	2	0	0	0	2

Practical

1	BSC192	Chemistry Lab	0	0	2	0	1
2	ESC191	Basic Electronics Engineering Lab	0	0	2	0	1
3	ESC193	Engineering Drawing, 3D Design Lab	0	0	2	0	1
4	HSMC191	English Communication and Public Speaking Skills - I Lab	0	0	2	0	1

Sessional

1	ESC181	Computer Programming and Problem Solving using Python and C - I	1	0	0	3	2
2	HSMC181	Economics, Finance and Entrepreneurship Skills - I	0	0	0	2	1
3	HSMC182	Design Thinking & Innovation- I	0	0	0	1	0.5
4	HSMC182	Skill Development for Professionals – I	0	0	0	2	1
5	MC181	Mandatory Additional Requirements (MAR)					0.5

22

Reduction of subjects : Students will only study Chemistry theory in 1st semester and Physics theory in 2nd semester
 Students will only perform Chemistry lab in 1st semester and Physics lab in 2nd semester
 Students will only study Electronics theory in 1st semester and Electrical theory in 2nd semester
 Students will only perform Electronics Lab in 1st semester and Electrical Lab in 2nd Semester
 Students will only perform Engg. Drawing in 1st semester and Workshop in 2nd semester

University of Engineering and Management Kolkata

2nd Semester Syllabus for Group - A students

SINo	Paper Code	Paper Name	L	T	P	S	Credits
Theory							
1	BSC202	Chemistry	4	0	0	0	4
2	BSC202	Mathematics and Statistics- II	3	0	0	0	3
3	ESC202	Basic Electronics Engineering	2	0	0	0	2
4	HSMC201	English Communication and Public Speaking Skills-II	2	0	0	0	2
5	HSMC202	Essential Studies for Professionals - II	2	0	0	0	2
Practical							
1	BSC292	Chemistry Lab	0	0	2	0	1
2	ESC291	Basic Electronics Engineering Lab	0	0	2	0	1
3	ESC293	Engineering Drawing, 3D Design Lab	0	0	2	0	1
4	HSMC291	English Communication and Public Speaking Skills - II Lab	0	0	2	0	1
Sessional							
1	ESC281	Computer Programming and Problem Solving using Python and C - II	1	0	0	3	2
2	HSMC281	Economics, Finance and Entrepreneurship Skills - II	0	0	0	2	1
3	HSMC282	Design Thinking & Innovation- II	0	0	0	1	0.5
4	HSMC282	Skill Development for Professionals – II	0	0	0	2	1
5	MC281	Mandatory Additional Requirements (MAR)					0.5
Total							22

University of Engineering and Management Kolkata

2nd Semester Syllabus for Group - B students

SINo	Paper Code	Paper Name	L	T	P	S	Credits
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Theory

1	BSC201	Physics	4	0	0	0	4
2	BSC203	Mathematics and Statistics- II	3	0	0	0	3
3	ESC201	Basic Electrical Engineering	2	0	0	0	2
4	HSMC201	English Communication and Public Speaking Skills-II	2	0	0	0	2
5	HSMC202	Essential Studies for Professionals - II	2	0	0	0	2

Practical

1	BSC291	Physics Lab	0	0	2	0	1
2	ESC291	Basic Electrical Engineering Lab	0	0	2	0	1
3	ESC292	Workshop & Manufacturing Practices	0	0	2	0	1
4	HSMC291	English Communication and Public Speaking Skills - II Lab	0	0	2	0	1

Sessional

1	ESC281	Computer Programming and Problem Solving using Python and C - II	1	0	0	3	2
2	HSMC281	Economics, Finance and Entrepreneurship Skills - II	0	0	0	2	1
3	HSMC282	Design Thinking & Innovation- II	0	0	0	1	0.5
4	HSMC282	Skill Development for Professionals – II	0	0	0	2	1
5	MC281	Mandatory Additional Requirements (MAR)					0.5

Total 22